

24 FEB 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
11 March 2004 (11.03.2004)

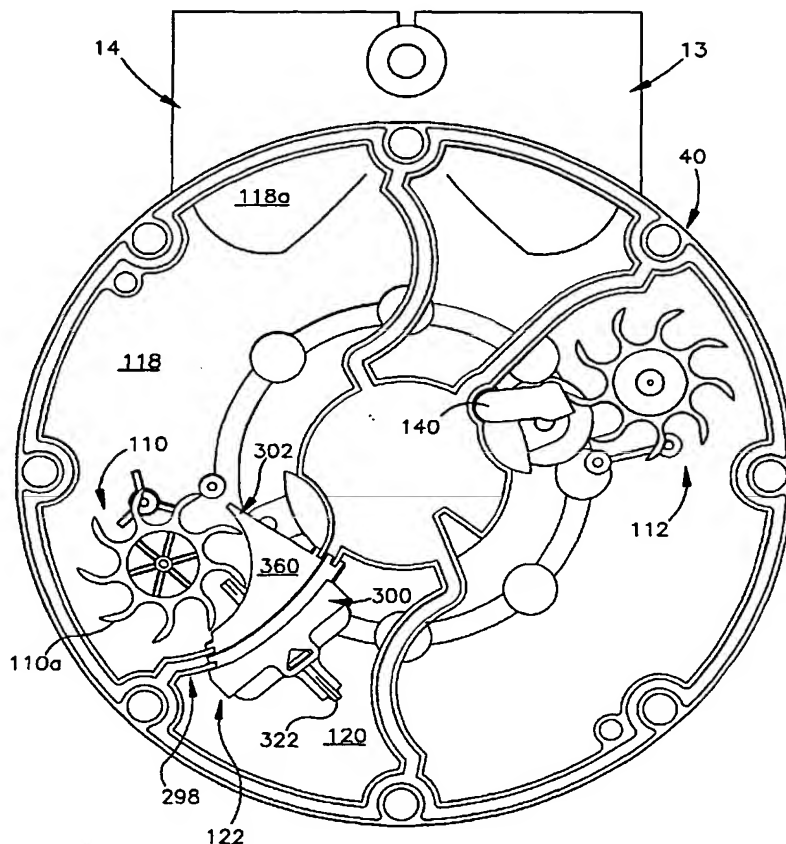
PCT

(10) International Publication Number  
**WO 2004/020340 A2**

- (51) International Patent Classification<sup>7</sup>: **C02F**
- (21) International Application Number: **PCT/US2003/026456**
- (22) International Filing Date: 22 August 2003 (22.08.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
60/406,545 28 August 2002 (28.08.2002) US
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- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: FLUID TREATMENT SYSTEM



(57) Abstract: A control valve for a water treatment system which includes a turbine rotatably mounted within a water receiving chamber. A nozzle assembly communicates water from a water receiving chamber to the turbine in a driving relationship. The nozzle assembly defines first and second fluid paths, one of the flow paths may include a fluid pressure response valve element for controlling fluid flow along the one path. Alternate nozzle assemblies are also disclosed which include only one flow path. In these alternate constructions, vanes or louvers are defined within the throat and a blocking wall is used in one embodiment to reduce the effective inlet area of the throat. The disclosed nozzle assemblies are intended to be replacably held in the control valve and any one of the nozzle assemblies can be installed in the control valve to suit particular applications.

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**Published:**

— without international search report and to be republished  
upon receipt of that report

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